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- ✓ ISO 9001 Certified
- ✓ ISO 17025 Accredited
- ✓ ISO GUIDE 34 Accredited

Tailor made reagents.



We have the solutions!

Chem-Lab's Inorganic Standards

1 | Inorganic Standards for ICP, ICP-MS, AA

1.1 | Chem-lab's Plasma HIQU standards are:

- ISO 17034 accredited
- Ideal for ICP-OES, ICP-MS
- The certified mass fraction is achieved by method BM006 that uses the "High Performance ICP-OES" protocol developed by NIST. This value is traceable to the International System of Units (SI) via the value of the reference material. The certified density is measured by method BM008 that uses either an oscillating densimeter or a pycnometer. This value is traceable to the International System of Units (SI).
- Provided with "A Certificate of Analysis" stating:
 - Actual certified concentration of the final solution
 - Traceability to NIST
 - Date of certification
 - Expiry date of 3 years after production
 - Trace impurities detected

1.1.1 | Single Element ICP/ ICP-MS Standards

- ISO 17034 accredited
- Available at 10,000, 1,000, 100* & 10* µg/ml (* ISO 17025 accredited)
- In different matrices: H₂O, HNO₃, HCl, HF, NH₄OH, NaOH, HNO₃ + traces HF, ...
- Custom ICP-OES, ICP-MS, AA Standards

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ICP HIQU

Element	10.000 mg/L	1.000 mg/L	100 mg/L	10 mg/L
Al	CL01.0103	CL01.0102	CL01.0101.100	CL01.0101.010
	CL01.0104	CL01.0101		CL01.0102.010
Sb	CL01.0123	CL01.0121	CL01.0121.100	CL01.0121.010
	CL01.0124	CL01.0122		
		CL01.0162		
As	CL01.0134	CL01.0131	CL01.0133.100	CL01.0133.010
		CL01.0132		
		CL01.0133		
Ba	CL01.0203	CL01.0201	CL01.0201.100	CL01.0201.010
	CL01.0204	CL01.0202		
Be	CL01.0214	CL01.0212	CL01.0212.100	CL01.0212.010
		CL01.0211		
Bi	CL01.0223	CL01.0221	CL01.0221.100	CL01.0221.010
B		CL01.0231		
		CL01.0232	CL01.0231.100	CL01.0231.010
Cd	CL01.0303	CL01.0301	CL01.0301.100	CL01.0301.010
	CL01.0390			
Ca	CL01.0314	CL01.0311	CL01.0311.100	CL01.0311.010
		CL01.0312	CL01.0312.100	CL01.0312.010
CaO	CL01.0319	CL01.0313		
Ce	CL01.0323	CL01.0321	CL01.0321.100	CL01.0321.010
Cs	CL01.0333	CL01.0331	CL01.0331.100	CL01.0331.010
Cr	CL01.0364	CL01.0352	CL01.0362.100	CL01.0362.010
	CL01.0363	CL01.0361	CL01.0352.100	
		CL01.0362		
Co	CL01.1123	CL01.1121	CL01.1121.100	CL01.1121.010
	CL01.1128	CL01.1122		
Cu	CL01.1133	CL01.1131	CL01.1131.100	CL01.1132.010
	CL01.1134	CL01.1132		CL01.1131.010
Dy	CL01.0433	CL01.0431	CL01.0431.100	CL01.0431.010
Er	CL01.0503	CL01.0501	CL01.0501.100	CL01.0501.010
Eu	CL01.0513	CL01.0511	CL01.0511.100	CL01.0511.010
Gd	CL01.0703	CL01.0701	CL01.0701.100	CL01.0701.010
Ga	CL01.0713	CL01.0711	CL01.0711.100	CL01.0711.010
Ge	CL01.0743	CL01.0721	CL01.0721.100	CL01.0721.010
		CL01.0722	CL01.0741.100	CL01.0741.010
		CL01.0741		
Au	CL01.0733	CL01.0731	CL01.0731.100	CL01.0731.010
Hf	CL01.0803	CL01.0801	CL01.0801.100	CL01.0801.010
	CL01.0804	CL01.0802	CL01.0802.100	CL01.0802.010
Ho	CL01.0823	CL01.0821	CL01.0821.100	CL01.0821.010
In	CL01.0923	CL01.0921	CL01.0921.100	CL01.0921.010
Ir	CL01.0933	CL01.0931	CL01.0931.100	CL01.0931.010
Fe	CL01.0903	CL01.0901	CL01.0901.100	CL01.0901.010
	CL01.0904	CL01.0902		
FeO		CL01.0941		
La	CL01.1203	CL01.1201	CL01.1201.100	CL01.1201.010
		CL01.1202		
Pb	CL01.1223	CL01.1221	CL01.1221.100	CL01.1221.010
Li	CL01.1214	CL01.1211	CL01.1212.100	CL01.1212.010
		CL01.1212		
Lu	CL01.1233	CL01.1231	CL01.1231.100	CL01.1231.010

Element	10.000 mg/L	1.000 mg/L	100 mg/L	10 mg/L
Mg	CL01.1304	CL01.1301	CL01.1301.100	CL01.1301.010
	CL01.1310	CL01.1302		
MgO	CL01.1309	CL01.1303		
Mn	CL01.1313	CL01.1311	CL01.1311.100	CL01.1311.010
		CL01.1312		
MnO		CL01.1341		
Hg	CL01.1153	CL01.1151	CL01.1151.100	CL01.1151.010
Mo	CL01.1333	CL01.1331	CL01.1331.100	CL01.1331.010
	CL01.1334	CL01.1332		
Nd	CL01.1413	CL01.1411	CL01.1411.100	CL01.1411.010
Ni	CL01.1423	CL01.1421	CL01.1421.100	CL01.1421.010
		CL01.1422		
Nb	CL01.1433	CL01.1431	CL01.1431.100	CL01.1431.010
		CL01.1432		
Pd	CL01.1603	CL01.1601	CL01.1602.100	CL01.1602.010
		CL01.1602		
P	CL01.0633	CL01.0631	CL01.0641.100	CL01.0641.010
	CL01.0634	CL01.0646	CL01.0646.100	CL01.0646.010
		CL01.0641		
P₂O₅	CL01.0629	CL01.0621		
Pt	CL01.1613	CL01.1611	CL01.1611.100	CL01.1611.010
K	CL01.1104	CL01.1101	CL01.1101.100	CL01.1101.010
		CL01.1102		
K₂O	CL01.1109	CL01.1103		
Pr	CL01.1623	CL01.1621	CL01.1621.100	CL01.1621.010
Re	CL01.1803	CL01.1801	CL01.1802.100	CL01.1802.010
		CL01.1802		
Rh	CL01.1813	CL01.1811	CL01.1811.100	CL01.1811.010
Rb	CL01.1824	CL01.1821	CL01.1822.100	CL01.1822.010
		CL01.1822		
Ru	CL01.1834	CL01.1831	CL01.1831.100	CL01.1831.010
Sm	CL01.1903	CL01.1901	CL01.1901.100	CL01.1901.010
Sc	CL01.1913	CL01.1911	CL01.1911.100	CL01.1911.010
Se	CL01.1923	CL01.1921	CL01.1922.100	CL01.1922.010
		CL01.1922		
Si	CL01.1943	CL01.1931	CL01.1945.100	CL01.1945.010
	CL01.1933	CL01.1932	CL01.1931.100	CL01.1932.010
	CL01.1934	CL01.1945	CL01.1932.100	
SiO₂		CL01.1942	CL01.1942.100	
Ag	CL01.2603	CL01.2601	CL01.2601.100	CL01.2601.010
Na	CL01.1404	CL01.1401	CL01.1401.100	CL01.1401.010
	CL01.1472	CL01.1402		
Na₂O	CL01.1409	CL01.1403		
Sr	CL01.1963	CL01.1961		
		CL01.1962		
S	CL01.2643	CL01.2641	CL01.2642.100	CL01.2642.010
	CL01.2644	CL01.2642		
Ta	CL01.2003	CL01.2001	CL01.2002.100	CL01.2002.010
	CL01.2004	CL01.2002		
Te	CL01.2014	CL01.2011	CL01.2013.100	CL01.2013.010
	CL01.2015	CL01.2012		
		CL01.2013		
Tb	CL01.2023	CL01.2022	CL01.2022.100	CL01.2022.010
Tl	CL01.2033	CL01.2031	CL01.2031.100	CL01.2031.010
Th	CL01.2043	CL01.2041	CL01.2041.100	CL01.2041.010

Element	10.000 mg/L	1.000 mg/L	100 mg/L	10 mg/L
Tm	CL01.2053	CL01.2051	CL01.2051.100	CL01.2051.010
Sn	CL01.2063	CL01.2061	CL01.2062.100	CL01.2062.010
	CL01.2064	CL01.2062	CL01.2061.100	CL01.2061.010
Ti	CL01.2073	CL01.2071	CL01.2075.100	CL01.2075.010
	CL01.2074	CL01.2072		CL01.4611.010
		CL01.2075		
		CL01.4601		
W		CL01.4611		
	CL01.2304	CL01.2301	CL01.2301.100	CL01.2301.010
	CL01.2303	CL01.2302		
	CL01.2333	CL01.2331		
V	CL01.2203	CL01.2201	CL01.2201.100	CL01.2201.010
Yb	CL01.2503	CL01.2501	CL01.2501.100	CL01.2501.010
Y	CL01.2513	CL01.2511	CL01.2511.100	CL01.2511.010
Zn	CL01.2613	CL01.2611	CL01.2611.100	CL01.2611.010
	CL01.2614	CL01.2612		
Zr	CL01.2633	CL01.2631	CL01.2672.100	CL01.2672.010
	CL01.2634	CL01.2632		
		CL01.2672		

1.1.2 | Multi Element ICP/ ICP-MS Standards

- Standard solutions are prepared to the certified concentrations by method BM001 using certified single element solutions that are directly traceable to SI via the NIST SRMs. These certified values are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by IC or ICP-OES.
- ISO 17025 Accredited
- Available for different Methods: EPA, USP, SWDA, CLP, DIN, QCS, ... + ASTM
- In different matrices: H₂O, HNO₃, HCl, HF, NH₄OH, NaOH, HNO₃ + traces HF, ...
- Custom Mixtures can be formulated to meet your special applications.



1.2 | Chem-Lab's Spectro ECON Standards are:

- Ideal for AA, ICP-OES
- ISO 17025 Accredited
- Certified using high performance ICP-OES, a method developed by NIST
- Provided with "A Certificate of Analysis" stating:
 - Actual certified concentration of the final solution
 - Traceability to NIST
- Available at 1.000 µg/ml
- In different matrixes: H₂O, HNO₃, HCl, HF, NH₄OH, NaOH, HNO₃ + traces HF, ...
- Custom ICP-OES, AA Standards

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Chem-Lab's SPECTRO ECON Standards

Element	1.000 mg/L	Matrix
Al	CL01.0105	H ₂ O
	CL01.0107	HCl
	CL01.0106	HNO ₃
Sb	CL01.0127	HNO ₃ + traces HF
	CL01.0126	HCl
As	CL01.0135	H ₂ O
	CL01.0136	KOH
	CL01.0138	HNO ₃
	CL01.0137	HCl
Ba	CL01.0207	HCl
	CL01.0206	HNO ₃
Be	CL01.0217	HNO ₃
	CL01.0216	HCl
Bi	CL01.0225	HNO ₃
	CL01.0226	HNO ₃
B	CL01.0236	H ₂ O
	CL01.0237	HNO ₃
Cd	CL01.0305	H ₂ O
	CL01.0306	HNO ₃
	CL01.0398	HCl
Ca	CL01.0317	HCl
	CL01.0316	HNO ₃
Cr	CL01.0365	H ₂ O
	CL01.0366	HCl
	CL01.0356	H ₂ O
	CL01.0367	HNO ₃
Co	CL01.1125	H ₂ O
	CL01.1126	HNO ₃
	CL01.1127	HCl
Cu	CL01.1135	H ₂ O
	CL01.1137	HCl
	CL01.1136	HNO ₃
In	CL01.0926	HNO ₃
Fe	CL01.0905	H ₂ O
	CL01.0907	HCl
	CL01.0906	HNO ₃
Pb	CL01.1225	H ₂ O
	CL01.1226	HNO ₃
Li	CL01.1216	HCl
	CL01.1217	HNO ₃
Mg	CL01.1307	HCl
	CL01.1306	HNO ₃
Mn	CL01.1315	H ₂ O
	CL01.1317	HCl
	CL01.1316	HNO ₃
Hg	CL01.1155	H ₂ O
	CL01.1156	HNO ₃
Mo	CL01.1336	HNO ₃ + traces HF
Ni	CL01.1427	HCl
	CL01.1425	H ₂ O
	CL01.1426	HNO ₃
Nb	CL01.1436	HF

Element	1.000 mg/L	Matrix
P	CL01.0635	H ₂ O
	CL01.0636	H ₂ O
K	CL01.1107	HCl
	CL01.1106	HNO ₃
Se	CL01.1927	HNO ₃
	CL01.1926	HCl
	CL01.1925	H ₂ O
Si	CL01.1936	KOH
Ag	CL01.2605	H ₂ O
	CL01.2606	HNO ₃
Na	CL01.1407	HCl
	CL01.1406	HNO ₃
Sr	CL01.1966	HCl
	CL01.1967	HNO ₃
S	CL01.2645	H ₂ O
	CL01.2646	H ₂ O
Te	CL01.2016	KOH
	CL01.2018	HNO ₃ + traces HF
	CL01.2017	HCl
Tl	CL01.2036	HNO ₃
Sn	CL01.2066	HCl
Ti	CL01.2076	HF
	CL01.2077	HCl
W	CL01.2306	HF
	CL01.2308	NH ₄ OH
V	CL01.2206	HNO ₃
	CL01.2208	H ₂ SO ₄
	CL01.2205	NH ₄ OH
Y	CL01.2516	HNO ₃
Zn	CL01.2615	H ₂ O
	CL01.2617	HCl
	CL01.2616	HNO ₃
Zr	CL01.2637	HCl
	CL01.2635	HCl
	CL01.2636	HF

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2 | Inorganic Standards for IC

2.1 | Chem-Lab's Ion HIQU standards are:

- ISO 17034 Accredited
- Ideal for IC (Ion Chromatography)
- Prepared to the certified concentration by method BM001 using high purity salts dissolved and diluted with filtered (0.22 µm), 18 M-ohm deionized water. Traceable to the International System of Units (SI). Secondary verification of the certified concentration was performed by Ion Chromatography, which was calibrated against a solution traceable to SI via NIST.
- The metals are certified using high performance ICP-OES, a method developed by NIST
- Provided with A Certificate of Analysis stating:
 - Actual certified concentration of the gravimetric production
 - Traceability to NIST
 - Date of certification
 - Date of expiration
 - Expiry date: 3 years after production date
 - Trace impurities detected

2.1.1 | Single Element IC Standards

- Available at 10,000, 1,000 µg/ml
- Custom concentrations can be formulated to meet your special applications

2.1.2 | Multi Element IC Standards

- Standard solutions are prepared to the certified concentrations by method BM001 using certified single element solutions that are directly traceable to SI via the NIST SRMs. These certified values are valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentrations was performed by IC or ICP-OES.
- Custom Mixtures can be formulated to meet your special applications.



Chem-Lab's IC Single Element HIQU Standards

Anions

Element	10.000 mg/L	1.000 mg/L
Acetate		CL01.0151
Adipate		CL01.0171
Benzoate		CL01.0271
Bromate		CL01.0261
Bromide		CL01.0241
Butyrate		CL01.0281
Carbonate		CL01.0391
Chlorate		CL01.0348
Chloride		CL01.0341
		CL01.0342
Chlorite		CL01.0871
Chromate		CL01.0351
		CL01.0354
Citrate		CL01.2921
Cyanide		CL01.0371
Dichromate		CL01.0353
Fluoride		CL01.0611
Formaldehyde		CL01.0651
Formate		CL01.0671
Fructose, D(-)	CL01.0693	CL01.0691
Galactose, D(+)	CL01.0783	CL01.0781
Glucose, D(+)	CL01.0733	CL01.0771
Glutarate		CL01.0761
Glycolate		CL01.0751
Hydrazine		CL01.0831
Hydrogen carbonate		CL01.2311
Iodide		CL01.1001
L-Lactate		CL01.1241
Lactose	CL01.1263	CL01.1261
Malate		CL01.1382
Maleate		CL01.1383
Malonate		CL01.1384
Molybdate		CL01.1361
Nitrate		CL01.1441
Nitrite		CL01.1451
Nitrogen		CL01.1991
		CL01.1952
		CL01.1954
		CL01.1955
		CL01.1981
		CL01.1951
Oxalate		CL01.1511
Perchlorate		CL01.0349
Phenol		CL01.0601
Phosphate		CL01.0622
Phthalate		CL01.0672
Propionate		CL01.1631
Saccharose, D(+)	CL01.4523	CL01.4521
Silicate		CL01.1941
Succinate		CL01.4511
Sulfate		CL01.1975
		CL01.1972
		CL01.1971
Tartrate		CL01.2341
Thiocyanate		CL01.2661
Thiosulfate		CL01.2351

Cations

Element	10.000 mg/L	1.000 mg/L
Ammonia	CL01.0112	CL01.0111
Barium		CL01.0208
Calcium	CL01.0320	CL01.0338
Cesium		CL01.0336
Diethanolamine		CL01.0451
Diethylamine		CL01.0461
Ethanolamine		CL01.0521
Lithium		CL01.1218
Magnesium	CL01.1343	CL01.1342
Methoxypropylamine-(3)		CL01.1381
Morpholine		CL01.1351
Potassium	CL01.1110	CL01.1111
Rubidium		CL01.1828
Sodium		CL01.1418
Strontium		CL01.1968
Urea		CL01.2111

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2.2 | Chem-Lab's Ion ECON standards are:

- Manufactured in our ISO 17025 accredited laboratory.
- Prepared to the certified concentration shown above by method BM001 using high purity salts dissolved and diluted with filtered (0.22 µm), 18 M-ohm deionized water. This value is valid for a temperature of 20°C and traceable to the International System of Units (SI). Secondary verification of the certified concentration was performed by Ion Chromatography, which was calibrated against a solution traceable to SI via NIST SRMs
- Provided with A Certificate of Analysis stating:
 - Actual certified concentration of the gravimetric production
 - Traceability to NIST

2.2.1 | Single Element IC Standards

- Available at 1.000 µg/ml

Chem-Lab's IC ECON Standards

Anions

Element	1.000 mg/L
Bromide	CL01.0246
Carbonate	CL01.0396
Chloride	CL01.0346
Chromate	CL01.0355
Cyanide	CL01.0378
	CL01.0376
Fluoride	CL01.0616
Hydrazine	CL01.0836
Hydrogen carbonate	CL01.2316
Iodide	CL01.1006
Nitrate	CL01.1446
Nitrite	CL01.1456
Nitrogen	CL01.1996
	CL01.1986
	CL01.1956
Phosphate	CL01.0617
	CL01.0627
	CL01.0625
Silicate	CL01.1946
Sulfate	CL01.1976

Cations

Element	1.000 mg/L
Ammonia	CL01.0116
Barium	CL01.0205
Calcium	CL01.0315
Cesium	CL01.0355
Lithium	CL01.1215
Magnesium	CL01.1305
Potassium	CL01.1105
Rubidium	CL01.1825
Sodium	CL01.1405
Strontium	CL01.1965



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Turbidity Standards			
Formazine turbidity standard 40 NTU		500 ml	CL01.0661.0500
50 mg H4N2.H2SO4 + 500 mg C6H12N4 / l H2O		1 l	CL01.0661.1000

UV/VIS Spectrophotometer Calibration Standards			
Chromate calibration solution		250 ml	CL02.0328.0250
100 mg K2Cr2O7 / l H2SO4 0.005 mol/l			
Chromate calibration solution (UV-VIS Standard 1A)	NEW	1 ml	CL02.0377.0001
600.6 mg K2Cr2O7 / l H2SO4 0.01 N			
Chromate calibration solution (UV-VIS Standard 1)	NEW	10 ml	CL02.0374.0010
60 mg K2Cr2O7 / l H2SO4 0.01 N			
Potassium chloride solution (UV-VIS Standard 4)	NEW	10 ml	CL02.1198.0010
12 g KCl / l in H2O			
Toluene standard solution (UV-VIS Standard 5)	NEW	10 ml	CL41.2065.0010
Solution contains 0,02% (v/v) in n-Hexane			
Holmium(III) oxide calibration solution (UV-VIS Standard 6)	NEW	100 ml	CL02.0804.0100
5% Ho2O3 / 1.4 mol/l HClO4			

Volumetric Standards, Secondary Reference Materials Traceable to NIST			
Benzoic acid, reference material for NIST	NEW	50 g	CL00.0252.0050
99.5-100.5% C6H5COOH			
Calcium carbonate, reference material for NIST	NEW	50 g	CL00.2947.0050
99.95+% CaCO3			
Iron(II) ethylene di-ammoniumsulfate, reference material for NIST	NEW	50 g	CL00.0943.0050
99.7+% C2H10N2O4S.FeSO4.4H2O			
Potassium dichromate, reference material for NIST	NEW	50 g	CL00.3720.0050
99.95+% K2Cr2O7			
Potassium hydrogen phthalate, reference material for NIST	NEW	50 g	CL00.3732.0050
99.5+% C8H5O4K			
Potassium iodate, reference material for NIST		50 g	CL00.1677.0050
99.95+% KIO3			
Sodium carbonate, reference material for NIST	NEW	50 g	CL00.4040.0050
99.95+% Na2CO3			

Volumetric Standards, Secondary Reference Materials Traceable to NIST

Sodium chloride, reference material for NIST

NEW

50 g

CL00.4038.0050

99.95+% NaCl

di-Sodium oxalate, reference material for NIST

NEW

50 g

CL00.4052.0050

99.7+% C₂Na₂O₄

Tris(hydroxymethyl) aminomethane, reference material for NIST

NEW

50 g

CL00.2083.0050

99.9+% C₄H₁₁NO₃

Zinc, reference material for NIST

NEW

50 g

CL00.2647.0050

99.95+% Zn

Brix Standards

Saccharose 60 weight % solution

NEW

25 ml

CL12.1924.0025

600 g C₁₂H₂₂O₁₁ / kg H₂O (= 60°Bx at 20°C)

Saccharose 55 weight % solution

NEW

25 ml

CL12.1923.0025

550 g C₁₂H₂₂O₁₁ / kg H₂O (= 55°Bx at 20°C)

Saccharose 50 weight % solution

25 ml

CL12.1907.0025

500 g C₁₂H₂₂O₁₁ / kg H₂O (= 50°Bx at 20°C)

Saccharose 45 weight % solution

NEW

25 ml

CL12.1922.0025

450 g C₁₂H₂₂O₁₁ / kg H₂O (= 45°Bx at 20°C)

Saccharose 40 weight % solution

NEW

25 ml

CL12.1921.0025

400 g C₁₂H₂₂O₁₁ / kg H₂O (= 40°Bx at 20°C)

Saccharose 35 weight % solution

NEW

25 ml

CL12.1920.0025

350 g C₁₂H₂₂O₁₁ / kg H₂O (= 35°Bx at 20°C)

Saccharose 30 weight % solution

NEW

25 ml

CL12.1919.0025

300 g C₁₂H₂₂O₁₁ / kg H₂O (= 30°Bx at 20°C)

Saccharose 25 weight % solution

NEW

25 ml

CL12.1918.0025

250 g C₁₂H₂₂O₁₁ / kg H₂O (= 25°Bx at 20°C)

Saccharose 20 weight % solution

NEW

25 ml

CL12.1917.0025

200 g C₁₂H₂₂O₁₁ / kg H₂O (= 20°Bx at 20°C)

Saccharose 15 weight % solution

NEW

25 ml

CL12.1916.0025

150 g C₁₂H₂₂O₁₁ / kg H₂O (= 15°Bx at 20°C)

Saccharose 12.5 weight % solution

NEW

25 ml

CL12.1915.0025

125 g C₁₂H₂₂O₁₁ / kg H₂O (= 12.5°Bx at 20°C)



Low PPB level Acids - HDPE Bottles

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Mumbai-400002 INDIA
Tel: +91 9820206611
sales.bluehorizon@gmail.com



PPT level Acids – FEP Bottles



Product code	Product name	Volume
CL00.2753	Acetic acid Pico-Pure Plus	
CL00.2753.0250	Acetic acid ≥99% (Pico-Pure Plus)	250 ml
CL00.2754	Ammonia Pico-Pure Plus	
CL00.2754.0250	Ammonia 20-22% solution (Pico-Pure Plus)	250 ml
CL00.0273	Hydrobromic acid Pico-Pure Plus	
CL00.0273.0250	Hydrobromic acid 44-49% (Pico-Pure Plus)	250 ml
CL00.2950	Hydrochloric acid Pico-Pure Plus	
CL00.2950.0250	Hydrochloric acid 32-35% (Pico-Pure Plus)	250 ml
CL00.2950.0500	Hydrochloric acid 32-35% (Pico-Pure Plus)	500 ml
CL00.0643	Hydrofluoric acid Pico-Pure Plus	
CL00.0643.0250	Hydrofluoric acid 47-51% (Pico-Pure Plus)	250 ml
CL00.2315	Hydrogen peroxide Pico-Pure Plus	
CL00.2315.0500	Hydrogen peroxide 30-32 % solution (Pico-Pure Plus)	500 ml
CL00.1964	Nitric acid Pico-Pure Plus	
CL00.1964.0250	Nitric acid 67-69% (Pico-Pure Plus)	250 ml
CL00.1964.0500	Nitric acid 67-69% (Pico-Pure Plus)	500 ml
CL00.1964.1000	Nitric acid 67-69% (Pico-Pure Plus)	1 l
CL00.1672	Perchloric acid Pico-Pure Plus	
CL00.1672.0250	Perchloric acid 65-71% (Pico-Pure Plus)	250 ml
CL00.2649	Sulfuric acid Pico-Pure Plus	
CL00.2649.0250	Sulfuric acid 93-98% (Pico-Pure Plus)	250 ml
CL00.2649.0500	Sulfuric acid 93-98% (Pico-Pure Plus)	500 ml
CL02.2107	Water Pico-Pure Plus	
CL02.2107.1000	Water (Pico-Pure Plus)	1 l

[illegible][illegible]

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Water

For laboratory use



For General purpose - Analyses - ISO 3696

Product code	Product name	Use	
CL02.2101	Water (ultra pure)	For laboratory use, AAS and ICP, ISO 3696, ASTM D-94, D-129	H ₂ O – LF < 1 µS/cm – 0.4 µm, UV filtrated
CL02.2102	Water Demineralised	For laboratory use	H ₂ O – LF < 5 µS/cm
CL02.0208	Water (double distilled pyrogen free)	For laboratory use	H ₂ O – LF < 5 µS/cm

HPLC & LC-MS grades

Product code	Product name	Use	
CL02.2112	Water, ULC-MS grade	For laboratory use, ULC-MS, for liquid chromatography	H ₂ O – LF < 1 µS/cm – 0.1 µm filtrated
CL02.0240	Water, LC-MS grade	For laboratory use, LC-MS, for liquid chromatography	H ₂ O – LF < 1 µS/cm – 0.2 µm filtrated
CL02.2113	Water, HPLC gradient grade	For laboratory use, HPLC	H ₂ O – LF < 1 µS/cm – 0.2 µm filtrated
CL02.0221	Water, HPLC grade	For laboratory use, HPLC	H ₂ O – LF < 1 µS/cm – 0.4 µm filtrated

Pesticide grade

Product code	Product name	Use	
CL02.2111	Water, Pesticide grade	For laboratory use, pesticide analysis	H ₂ O – LF < 1 µS/cm – 0.2 µm filtrated

ICP-MS, ICP-OES & AAS grades

Product code	Product name	Use	
CL02.2107	Water, High Purity ICP-MS grade (Pico-Pure Plus)	For laboratory use, ICP-MS trace analysis	H ₂ O – LF < 1 µS/cm – 0.2 µm filtrated (ppt range HM traces)
CL02.2101	Water (ultra pure)	For laboratory use, AAS and ICP, ISO 3696, ASTM D-94, D-129	H ₂ O – LF < 1 µS/cm – 0.4 µm, UV filtrated

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IC grade

Product code	Product name	Use	
CL02.2115	Water, IC grade	For laboratory use & Ion Chromatography	H ₂ O – LF < 2 µS – 0.2 µm filtrated

TOC grade

Product code	Product name	Use	
CL02.0244	Water, for TOC analysis	For laboratory use, TOC analysis	H ₂ O – TOC < 0.1 mg/L

Molecular biology & Cell biology grades

Product code	Product name	Use	
CL02.2108	Water for Molecular biology	For laboratory use, for molecular biology	H ₂ O
CL02.2109	Water for Cell biology	For laboratory use	H ₂ O

According to Ph. Eur

Product code	Product name	Use	
CL07.2101	Water, demineralised	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095500)	H ₂ O – LF < 5 µS/cm
CL07.2102	Water, ammonium free	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095501)	H ₂ O – LF < 5 µS/cm – NH ₄ ⁺ < 1 ppb
CL07.2103	Water for chromatography	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095503)	H ₂ O – LF < 1 µS/cm – 0.45 µm filtrated
CL07.2104	Water, distilled	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095504)	H ₂ O – LF < 5 µS/cm
CL07.2105	Water, nitrate free	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095506)	H ₂ O – LF < 5 µS/cm – NO ₃ ⁻ < 1 ppb
CL07.2106	Water, particle free	Reagent acc. Ph. Eur. 9 (4.1.1) – (1095507)	H ₂ O – LF < 1 µS/cm – 0.22 µm filtrated



Product Analysis Certificate

Art.Nr.: CL02.2107

Lot Nr.: 28.5081806

Water, High Purity ICP-MS grade (Pico-Pure Plus)

H₂O - LF < 1 µS/cm - 0.2 µm filtrated (ppt range HM traces)

CAS-nr: 7732-18-5

Use: For laboratory use, ICP-MS trace analysis

Traceability: Reference standards

Specifications:

	Spec. value	Batch value
Cobalt	Cobalt	<10APHA
Chloride (Cl)	Cl	<1ppt
Phosphate (PO ₄)	PO ₄	<1ppt
Sulfate (SO ₄)	SO ₄	<1ppt
Aluminum (Al)	Al	<20ppt
Antimony (Sb)	Sb	<10ppt
Arsenic (As)	As	<10ppt
Barium (Ba)	Ba	<10ppt
Beryllium (Be)	Be	<10ppt
Bismuth (Bi)	Bi	<10ppt
Boron (B)	B	<20ppt
Cadmium (Cd)	Cd	<10ppt
Calcium (Ca)	Ca	<10ppt
Cerium (Ce)	Ce	<10ppt
Cesium (Cs)	Cs	<10ppt
Chromium (Cr)	Cr	<10ppt
Cobalt (Co)	Co	<10ppt
Copper (Cu)	Cu	<10ppt
Dysprosium (Dy)	Dy	<1ppt
Erbium (Er)	Er	<1ppt
Europium (Eu)	Eu	<1ppt
Gadolinium (Gd)	Gd	<1ppt
Gallium (Ga)	Ga	<10ppt
Germanium (Ge)	Ge	<10ppt
Gold (Au)	Au	<10ppt
Hafnium (Hf)	Hf	<1ppt
Holmium (Ho)	Ho	<1ppt
Indium (In)	In	<1ppt
Iron (Fe)	Fe	<10ppt
Lanthanum (La)	La	<1ppt
Lead (Pb)	Pb	<10ppt
Lithium (Li)	Li	<10ppt
Lutetium (Lu)	Lu	<1ppt
Magnesium (Mg)	Mg	<10ppt
Manganese (Mn)	Mn	<10ppt

CHEM-LAB NV

Industriezone "De Arend" 2 B-8210 ZEDELGEM - BELGIUM

Tel. : +32 50 28 83 20 Fax. : +32 50 78 26 54 e-mail : info@chem-lab.be Web : www.chem-lab.be

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Analysis:CL02.00.20200217

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pH indicator strips & papers



pH strips

Product Code Chem-Lab	Product Name	Graduation	Graduation in pH units	Pack size
CL09.1601	Universal Indicator Strips	pH 0 - 14	1	100 strips/pack
CL09.1602	pH Indicator Strips	pH 0 - 6.0	0.5	100 strips/pack
CL09.1603	pH Indicator Strips	pH 2.0 - 9.0	0.5	100 strips/pack
CL09.1604	pH Indicator Strips	pH 4.0 - 10.0	0.5	100 strips/pack
CL09.1605	pH Indicator Strips	pH 7.0 - 10.0	0.5	100 strips/pack
CL09.1606	pH Indicator Strips	pH 7.0 - 14.0	0.5	100 strips/pack
CL09.1607	pH Indicator Strips	pH 0 - 1.5	0.2/0/3	100 strips/pack
CL09.1608	pH Indicator Strips	pH 2.5 - 4.5	0.3	100 strips/pack
CL09.1609	pH Indicator Strips	pH 4.0 - 7.5	0.3	100 strips/pack

pH papers

Product Code Chem-Lab	Product Name	Graduation	Graduation in pH units	Pack size
CL09.1610	Universal Indicator paper	pH 1 - 14	1	5 m roll
CL09.1611	Universal Indicator paper	pH 1 - 14	1	3 × 5 m refill roll
CL09.1612	Universal Indicator paper	pH 1 - 11	1	5 m roll
CL09.1613	Universal Indicator paper	pH 1 - 11	1	3 × 5 m refill roll
CL09.1614	Comparator Paper	pH 0.5 - 5.5	0.5	5 m roll
CL09.1615	Comparator Paper	pH 0.5 - 5.5	0.5	3 × 5 m refill roll
CL09.1616	Comparator Paper	pH 5.5 - 9	0.5	5 m roll
CL09.1617	Comparator Paper	pH 5.5 - 9	0.5	3 × 5 m refill roll

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Chem-QUANT® Test strips



Chem-QUANT® Test strips:

- Reliable and precise
- Non-bleeding
- Easy for on-site analysis
- Very quick

Chem-QUANT® use:

- Dip the strip in the sample
- Wait 1 to 2 minutes for the reaction
- Compare with the color chart

Product code Chem-Lab	Product Name Chem-Lab	Graduation	Pack Size
CL09.0301	Chem-QUANT® Ammonium 400	0 - 10 - 25 - 50 - 100 - 200 - 400 mg/L NH ₄ ⁺	50 strips/pack
CL09.0302	Chem-QUANT® Carbonate Hardness	0 - 5 - 10 - 15 - 20 - 30 °d	100 strips/pack
CL09.0303	Chem-QUANT® Chlorine 20	0 - 1 - 3 - 5 - 20 mg/L	100 strips/pack
CL09.0304	Chem-QUANT® Chlorine 1000	0 - 50 - 100 - 250 - 500 - 1000 mg/L	100 strips/pack
CL09.0305	Chem-QUANT® Fluoride 100	0 - 10 - 25 - 50 - 100 mg/L	100 strips/pack
CL09.0306	Chem-QUANT® Glucose 2000	0 - 100 - 250 - 500 - 1000 - 2000 mg /dL	100 strips/pack
CL09.0307	Chem-QUANT® Nitrate 500	0 - 10 - 25 - 50 - 250 - 500 mg/L	100 strips/pack
CL09.0308	Chem-QUANT® Nitrite 80	0 - 2 - 5 - 10 - 20 - 40 - 80 mg/L	100 strips/pack
CL09.0309	Chem-QUANT® Peracetic Acid 50	0 - 5 - 10 - 20 - 30 - 50 mg/L	100 strips/pack
CL09.0310	Chem-QUANT® Peracetic Acid 2000	0 - 500 - 1000 - 1500 - 2000 mg/L	100 strips/pack
CL09.0311	Chem-QUANT® Peroxide 25	0 - 0.5 - 2 - 5 - 10 - 25 mg/L	100 strips/pack
CL09.0312	Chem-QUANT® Peroxide 1000	0 - 100 - 200 - 400 - 600 - 800 - 1000 mg/L	100 strips/pack
CL09.0313	Chem-QUANT® Phosphate 100	0 - 3 - 10 - 25 - 50 - 100 mg/L	50 strips/pack
CL09.0314	Chem-QUANT® QAC 25-1000	0 - 25 - 50 - 100 - 250 - 500 - 1000 mg/L Benzalkonium chloride	100 strips/pack
CL09.0315	Chem-QUANT® Silver 10	0 - 1 - 1.75 - 2.75 - 3.5 - 5 - 7 - 10 g/L	10 books of 20 strips
CL09.0316	Chem-QUANT® Sulphite 500	10 - 50 - 100 - 250 - 500 mg/L	100 strips/pack

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